

INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F28D7/16	F28F9/02	B01J8/04	B01J8/00	B01J8/02
C01B3/38	C01B3/48			

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F28D F28F B01J C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03/080230 A (ATOBE HITOSHI ; Hotta MASATOSHI (JP); SHOWA DENKO KK (JP)) 2 October 2003 (2003-10-02)	1,3,4, 8-12,16, 19,22, 25,26, 31,32, 36,37 5-7,35, 39,71
P,A	figure 1	
A	FR 1 274 228 A (CHEMIE LINZ AG) 20 October 1961 (1961-10-20)	1,8-15, 19,22, 25,26, 29,31, 32, 35-37,71
	figures	-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the International search

26 April 2004

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INTERNATIONAL SEARCH REPORT

International Application No

T/CA 03/02029

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 1 480 125 A (CHEMICAL CONSTRUCTION CORP) 12 May 1967 (1967-05-12) page 1, left-hand column, paragraph 1; figure 1 -----	1, 8-15, 19, 22, 25-29, 31, 36, 37, 42-54, 59, 71
A	US 4 942 022 A (KASAI HIROSHI ET AL) 17 July 1990 (1990-07-17) figure 2 -----	38
A	EP 1 094 030 A (NIPPON CHEM PLANT CONSULTANT) 25 April 2001 (2001-04-25) column 3, paragraph 13 - column 7, paragraph 33; figure 1 -----	8-15, 26-30, 39-54, 57, 59, 63-67, 69
A	GB 1 387 044 A (CHEMIE LINZ AG) 12 March 1975 (1975-03-12) figure -----	1
A	DE 23 41 808 A (FBM COST MECC SPA) 2 January 1975 (1975-01-02) figures -----	1, 5, 19, 20, 22, 31, 33, 36, 70, 71

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Information on patent family members

International Application No

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(84) **Designated States (regional):** ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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